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M/EB 371/64
24 July 1964
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MEMORANDUM FOR: Chief, Ballistic Missile and Space Division, OSI

ATTENTION:

THROUGH: Chief, Requirements Branch, Reconnaissance Group, CGS

FROM: Chief, CIA/PID (NPIC)

SUBJECT: Photo Analysis of FLIM FLAM Tracking Stations in the USSR

REFERENCES: (a) Requirement C-SI-3-80,659
(b) CIA/PID Project C 1397-63
(c) NPIC/R-69/64

1. This memorandum is a partial response to your requirement dated 4 October 1963 requesting a detailed photo analysis of each near space tracking site, transmitting FLIM FLAM data, located within the USSR. This memorandum covers only the Yeniseysk Near Space Tracking Site.

2. The Yeniseysk Near Space Tracking Site is located three nautical miles east-southeast of the city of Yeniseysk at 58-26N 92-16E. It is situated on relatively level terrain in a bend of the Yenisey River.

The site is served by the Yeniseysk Airfield, which is six nautical miles west-northwest and has a 6,000-foot graded earth runway. The nearest rail line is 15 nautical miles southeast at Maklakovo. The site is adjacent to an unpaved road which goes from Yeniseysk south to Maklakovo. A thermal power plant is located two nautical miles west-northwest, but no power lines are discernible going into the site.

The Yeniseysk site consists of a secured operations area (line drawing, Item 6), a main support area (Item 5), and an interferometer (Item 4). Located within the operations area are two pair of buildings believed to be near space tracking stations. The two stations will be referred to as Station "A" (Item A) and Station "B" (Item B) in this report.

The first photo coverage of the Yeniseysk Near Space Tracking Site was in September 1961 At this time it consisted of an interferometer and a number of buildings within the main support area and operations area. One of the buildings (Item 1) of Station "B" was complete but it could not be determined if an antenna was present. The other building of Station "B" (Item 2) was either not present or in a very early stage of construction. Neither of the buildings were present which now compose Station "A".

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Excluded from automatic
downgrading and
declassification

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**SUBJECT: Photo Analysis of FLIM FLAM Tracking Stations
in the USSR**

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The area was covered in June 1962 [redacted], but due to poor quality and haze this photography was of no value in this analysis.

The area was covered again in September 1962 [redacted]. At that time Station "A" consisted of two small structures, possibly vans with antennas. It could not be determined if the vans were present on the September 1961 coverage. The two buildings of Station "B" appear to be complete with a probable parabolic antenna on top of Building 1.

On December 1962 [redacted] coverage, there was no significant change in the site other than a few new buildings in the support and operations areas.

On coverage of December 1963 [redacted], the possible vans at Station "A" had been removed and two buildings constructed in the same location. Both buildings had antennas mounted on their roofs. There was no apparent change in Station "B".

The latest and best coverage of the site was in February 1964 [redacted]. Several new buildings were observed in the support and operations areas. A single security fence had been constructed around the operations area. A search was made within a 30 nautical mile radius of the site for communications facilities, but none were found.

The following is a description of items within the tracking site. The letters and numbers are keyed to the line drawing:

Item A. Tracking Station "A"

Buildings 1 and 2 of Station "A" are each approximately 110 feet long, 105 feet wide, and 20 feet high. They are 665 feet apart. The perpendicular bisector of a line joining the two buildings has an orientation of 295/115 degrees. Buildings 1 and 2 have a parabolic antenna on their roofs. The antenna, together with its pedestal, extends 50 feet in height above the building.

Item B. Tracking Station "B"

Buildings 1 and 2 of Station "B" are each approximately 90 feet long, 60 feet wide, and 25 feet high. They are 665 feet apart. The perpendicular bisector of a line joining the two buildings has an orientation of 295/115 degrees. Building 1 has a parabolic antenna on its roof, which, together with its pedestal is 40 feet in height above the roof. Building 2 does not have an antenna on its roof.

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SUBJECT: Photo Analysis of FLIM FLAM Tracking Stations
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Item 3. Building with associated 75-foot vertical mast. Probable microwave tower.

Item 4. Interferometer 1000 feet in diameter.

Item 5. Main support area.

Item 6. Operations area.

Item 7. Small stream flowing through main support area.

Item 8. Two small masts.

REFERENCES:

Maps: ONC, D-6, Scale 1:1,000,000 (CONFIDENTIAL)
AMS Series DESPA-1, Sheet No. 46-5, 1st Edition, Nov 62,
Scale 1:250,000 (TOP SECRET RUFF)

4. This project is not considered to

Enclosures:

- 1 - One (1) line drawing
CIA/PID/MEB-P-648/64
- 2 - One (1) 20x print
CIA/PID/MEB-P-649/64

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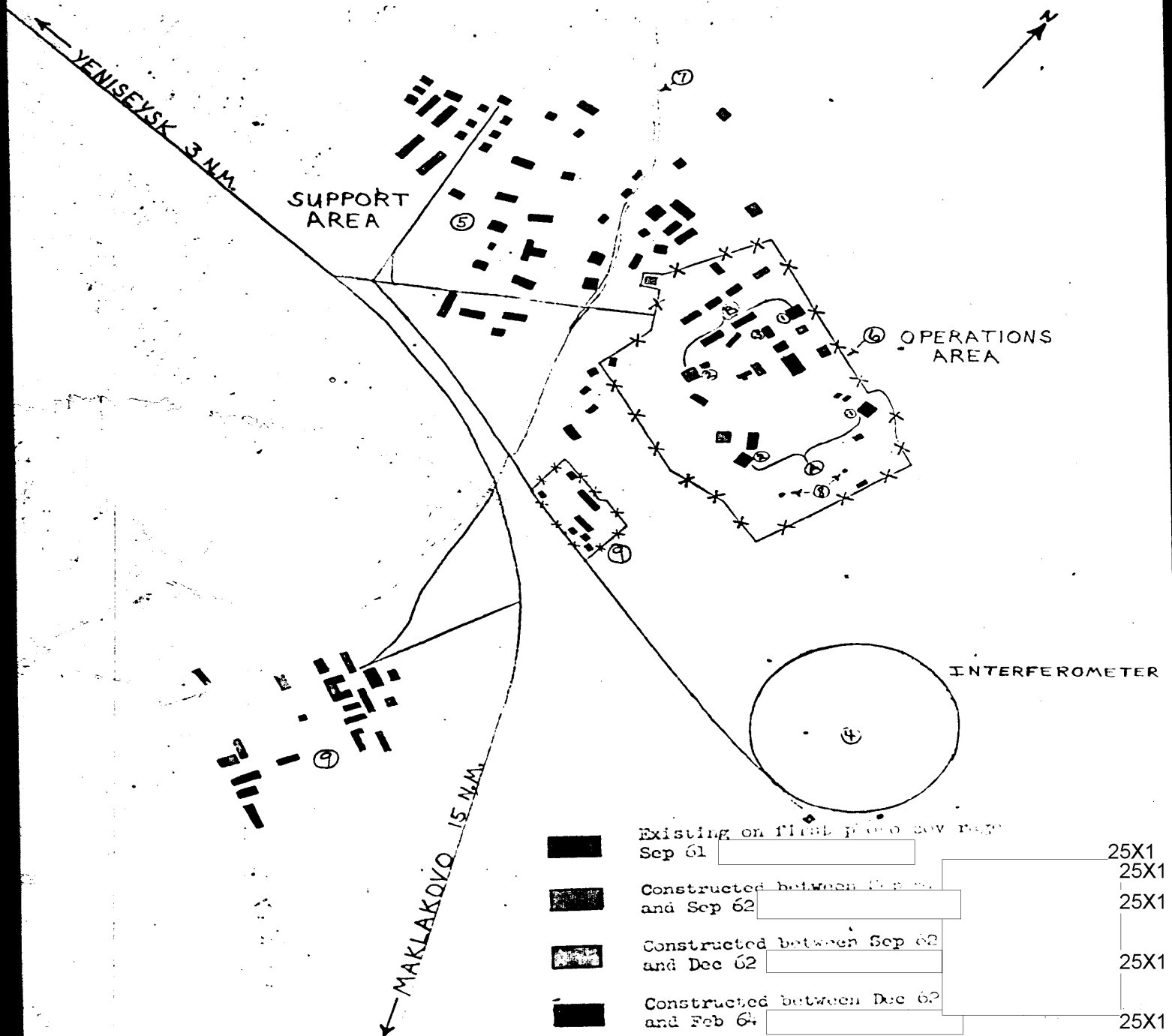
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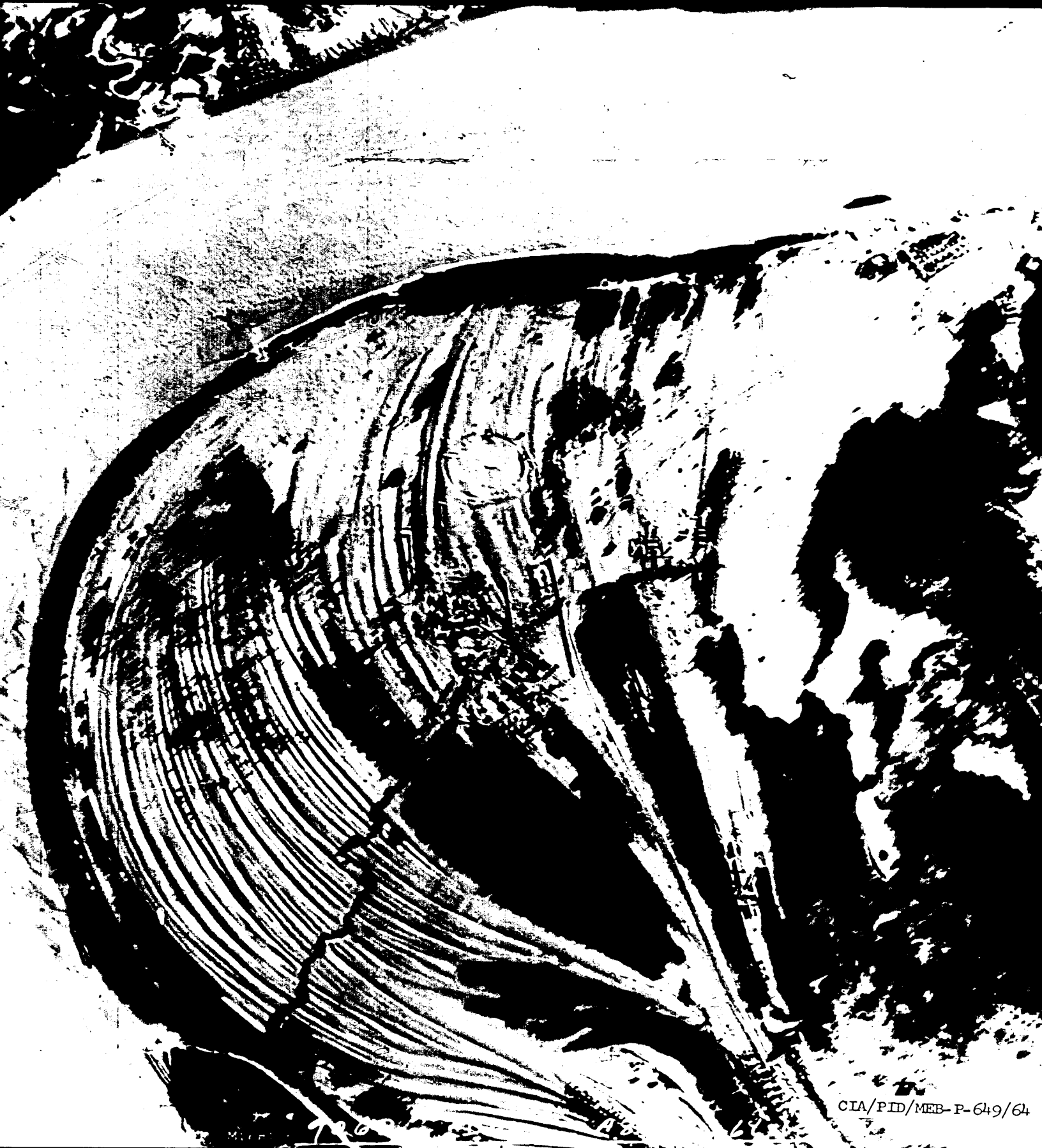
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YENISEYSK NEAR SPACE TRACKING SITE**TOP SECRET RUFF**

CIA/PID/MEB-P-648/64

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CIA/PID/MEB-P-649/64

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M/EB 370/64
23 July 1964
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MEMORANDUM FOR: Chief, Ballistic Missiles and Space Division, OSI

ATTENTION:

THROUGH: Chief, Requirements Branch, Reconnaissance Group, CGS

FROM: Chief, CIA/PID (NPIC)

SUBJECT: Request for Photographic Materials of Tyura Tam
Propellant Plant from Mission 1007-2

REFERENCES: (a) Requirement C-SI-4-81,589
(b) CIA/PID Project C 1173-64

1. This memorandum is in response to your requirement dated 9 July 1964 requesting a 20 x print and a vu-graph of the Tyura Tam Missile Test Range propellant plant from Mission 1007-2.

2. Attached herewith are the following requested photographic materials:

CIA/PID/MEB-P-646/64 Tyura Tam Propellant Plant

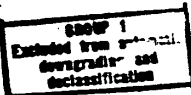
CIA/PID/MEB-P-647/64 Tyura Tam Propellant Plant

4. This project is considered to be

Enclosures: (referenced above)

- 1 - Two (2) prints
- 2 - Two (2) vu-graphs

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